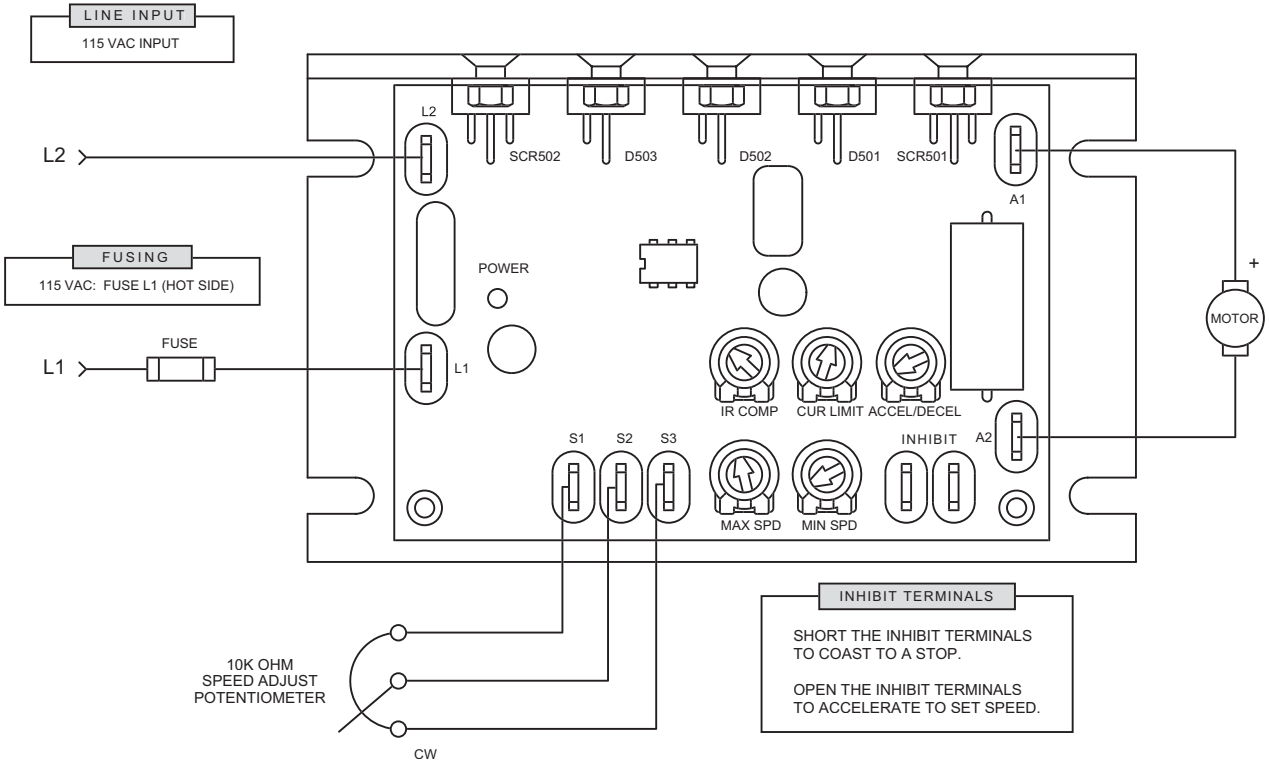
EC2 *SCR Adjustable Speed Drives for DC Brush Motors*



POWER INPUT

Connect the AC line power to terminals L1 and L2.

LINE FUSE

EC2 drives require an external fuse for protection. Use fast acting fuses rated for 250 VAC or higher, and approximately 150% of the maximum armature current. Fuse only the HOT line, connected to L1 and leave L2 unfused.

INHIBIT HEADER

Short the INHIBIT pins to coast the motor to stop. Open the INHIBIT terminals to accelerate the motor to set speed.

Twist the inhibit wires and separate them from power-carrying wires or sources of electrical noise. Use shielded cable if the inhibit wires are longer than 18 inches (46 cm). If shielded cable is used, ground only one end of the shield to earth ground. Do not ground both sides of the shield.

TRIMMER POT RANGES

MIN SPEED	0 - 35 VDC
MAX SPEED	45 -120 VDC
IR COMPENSATION	0 - 15 V
CURRENT LIMIT	0 - 18 A
ACC/DEC	0.5 - 8 SEC.

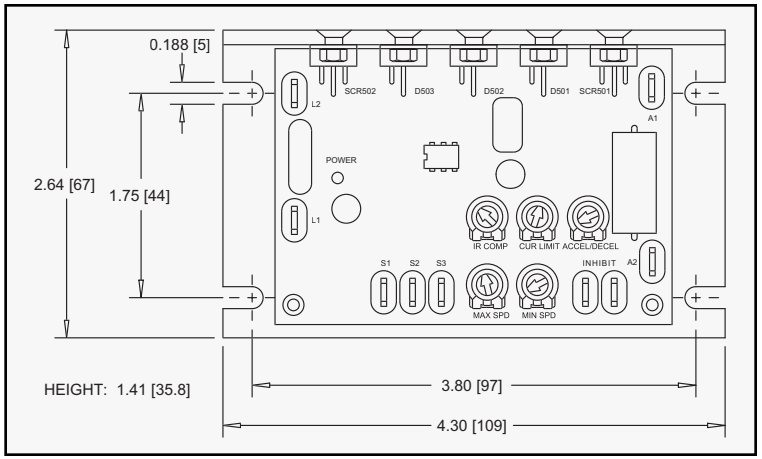
S P E C I F I C A T I O N S

AC Line Voltage	115 VAC, single phase
Horsepower Range with 115 VAC applied *	1/8 - 1/2 HP
Maximum Armature Current *	5 ADC
Form Factor	1.37 at base speed
Analog Input Voltage Range (signal must be isolated; S1 to S2):	0 - 6 VDC
Input Impedance (S1 to S2)	200K ohms
Load Regulation	1% base speed or better

* Double maximum armature current and horsepower when drive is mounted on heatsink part number 223-0159.

D I M E N S I O N S

All dimensions in inches [millimeters]



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